

IRC 2009

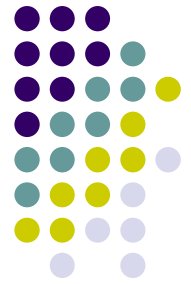


Chapter 4

Foundations

Materials

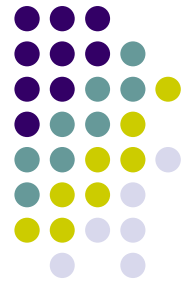
R402.3 M



- Precast concrete section expanded
 - 5000 psi compressive strength
 - Structural reinforcing steel
 - Panel to panel connections
 - Use of nonstructural fibers
 - Grout used for bedding
- R 403.4, A
 - Table for crushed stone footings for precast concrete foundations

Frost Protection

R403.1.4.1 133



- Change 1st exception
 - One-story detached accessory structures, excluding garages and carports, used as tool and storage sheds, playhouses and similar uses and not exceeding 400 square feet or less in floor area and an eave height of 10 ft or less shall not be required to be protected
- Delete 2nd and 3rd exceptions

Prescriptive Foundation Wall Design

R404 M



- Removed prescriptive lateral restraint provisions
- R404.1.1 Masonry Foundation Walls
- R404.1.2 Concrete Foundation Walls
 - Incorporates ICF walls
 - PCA 100 standard



Retaining Walls

R404.4




- Definition, again: Not supported at the top
- If walls retain > 24 in. of unbalanced fill
 - Design for SF of 1.5 against sliding and overturning
 - Engineering design by registered design professional

Foundation Drainage

R405.1 134



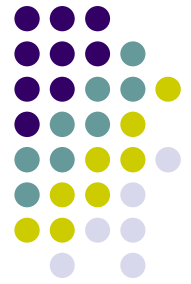
- Add to the title “exterior drainage system” 
- Drainage required for all soil types
- Concrete or masonry foundation interior drainage system
 - Weep holes at least 2 in. in diameter, spaced at a maximum of 6 ft on center connecting into the interior drains
 - Weep-hole inlets shall have a minimum of 6 in. of gravel for the full perimeter of the foundation, extending at least 12 in. from the inlets and covered by a layer of approved filter membrane.

Approved Drainage System



Precast Concrete Foundation Walls

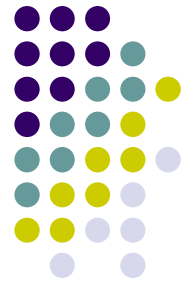
R404.5 A



- Contains neutral and nonproprietary requirements
- Design in accordance with accepted engineering practice
- Submittal of design drawing to the building official
- Third party inspection
- Certificate of inspection or labels on panels

Foundation Dampproofing and Waterproofing

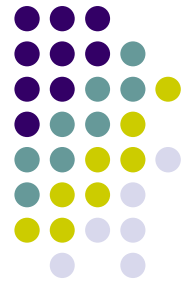
R406 135



- Dampproofing is not allowed
- Exterior foundation walls retaining earth and enclosing interior spaces below grade must be waterproofed with an approved waterproofing system or a membrane extending from the top of the footings to finished grades

Foundation Dampproofing and Waterproofing

R406 136, 137



- Deleted some methods - items 1, 2, 3, and 4
- Waterproofing system shall be installed as required by current International Code Council Evaluation Service report for the product, 136
- Precast concrete foundation system dampproofing not allowed, 137



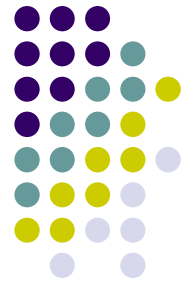
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Chapter 5

Floors Construction

Floors



- Added prescriptive methods for deck attachment, R 502.2.2.1, **A**
- Lateral restraint for wood joists, R 502.7
- Vapor retarder – R 506.2.3, **138** - Deleted two exceptions



- Chapter 6 to the end, click [here](#)